SERVICE BULLETIN

Health Imaging Products

Eastman Kodak Company, Health Imaging, Rochester, NY 14650

SERVICE BULLETIN NO. 306 **NOVEMBER 2002**

3444 *Kodak X-Omat* MULTILOADER 7000
3058 *Kodak X-Omat* MULTILOADER 300
3511 *Kodak X-Omat* MULTILOADER 300 PLUS
3477 *Kodak* MINILOADER 2000
3479 *Kodak* MINILOADER 2000P

Announcing a New Version of Service Software for MULTILOADERS for *MS Windows*

Service Software version 1.40 for *MS Windows* is now available from Service Parts Management. This is a *Windows* based software that can be used to service the *Kodak X-Omat* MULTILOADERS 300, 300 PLUS, and 7000.

Improvements

Included in Service Software Version 1.40, are improvements to:

- Operation Software Download Routines
- Component Test
- Error History reporting
- Sensor Test
- Step-by-Step Mode
- Laptop to MULTILOADER communications

This version of Service Software is fully compatible with the following:

MULTILOADER	Minimum Operating Software Version for MULTILOADER
Kodak X-Omat MULTILOADER 300	4.00
Kodak X-Omat MULTILOADER 300 PLUS	5.21
Kodak X-Omat MULTILOADER 7000	1.20

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Hardware Requirements

The following are the minimum recommended laptop computer requirements for version 1.40 Service Software:

- IBM fully compatible
- 3.5 in. DISKETTE DRIVE 1.44 MB or CD-ROM DRIVE
- 32 MB RAM
- 400 MB HARD DRIVE
- 333 MHz PROCESSOR SPEED
- SERIAL PORT RS-232-C

Software Requirements

Windows 98 and *Windows 2000* are the recommended computer operating systems when running version 1.40 Service Software.

NOTE: Limitations with version 1.40 Service Software may be experienced if the recommended hardware or software requirements of the laptop computer are not followed.

SERVICE SOFTWARE version 1.40, **Part No. SP9409251**, is available on floppy disk from Service Parts Management.

New Type 1 Required MODIFICATION Kit 1F2408 Available
Modification No. 4 for the *Kodak X- Omat* MULTILOADER 7000

Modification No. 4 is an upgrade to version 1.05 Boot PROM for the A20 PCB. This Modification will help prevent D4 and F1 communication errors when energizing the equipment.

This is a Type 1 Required Modification, which must be done to all MULTILOADERS in the following serial number range:

Kodak X-Omat MULTILOADER 7000…….1001 – 1255

- Modification Kit **1F2408** is now available from Service Parts Management.
- Extraction Tool TL-4430 or similar, is Required to complete Modification.
- Installation time is 1 hour.

New Operating Software, version 1.21 available for the *Kodak X- Omat* MULTILOADER 7000

A change was made in version 1.21 Operating Software to avoid possible false D7 error codes in the Cassette Section. These error codes were generated by incorrect Cassette length pulse detection, during the cassette sizing routine.

Operating Software version 1.21, **Part No. SP9409351**, is available on floppy disk from Service Parts Management.

New A1 Board available

Due to parts that have become obsolete, the A1 Board has been redesigned. Mounting of the new A1 Board is identical to the old style board. The new A1 Board has firmware installed, and can be configured to be fully compatible with the following equipment:

Kodak X-Omat MULTILOADER 300

Kodak X-Omat MULTILOADER 300 PLUS

Kodak X-Omat MULTILOADER 7000

Kodak MINILOADER 2000

Kodak MINILOADER 2000P

Installation Instructions are packed with the new A1 Board, **Part No. SP9405901.**

Kodak X-Omat MULTILOADER 7000: The following serial numbers will have the new A1 Board installed at the factory:

1354, 1363-1394 and all above serial number 1396

Kodak MINILOADER 2000P: Serial numbers starting with 6666 will have the new A1 Board installed at the factory.

Verify Correct A1 Board, DIP Switch Setting on *Kodak X- Omat* MULTILOADER 7000

On your next scheduled visit for the MULTILOADERS listed below, verify that DIP SWITCH S1-4 is set to the "**OFF**" position. The incorrect setting of DIP SWITCH S1-4 will have no effect during normal operation of the MULTILOADER; however, an incorrect setting will not allow Operating and Language software to be downloaded to the MULTILOADER. For units not yet placed, it is suggested that the DIP SWITCH setting be verified at the time of installation.

The setting of DIP SWITCH S1-4 should be verified on all MULTILOADERS with serial numbers **1354, 1363-1367, 1370-1377, 1379 and 1380.**

Announcing a New Version of Service Software for MINILOADER 2000/2000P for *MS Windows*

Service Software version 2.02 for *MS Windows* is now available from Service Parts Management. This is a *Windows* based software that can be used to service the *Kodak* MINILOADER 2000 and MINILOADER 2000P.

Improvements

Included in Service Software Version 2.02, are improvements to:

- Operation Software Download Routines
- Component Test
- Error History reporting
- Sensor Test
- Step-by-Step Mode
- Laptop to MINILOADER communications

This version of MINILOADER Service Software is fully compatible with MINILOADER Operating Software version 2.40 and higher.

Hardware Requirements

The following are the minimum recommended laptop computer requirements for version 2.02 Service Software:

- IBM fully compatible
- 3.5 in. DISKETTE DRIVE 1.44 MB or CD-ROM DRIVE
- 32 MB RAM
- 400 MB HARD DRIVE
- 333 MHz PROCESSOR SPEED
- SERIAL PORT RS-232-C

Software Requirements

Windows 98 and *Windows 2000* are the recommended computer operating systems when running version 2.02 Service Software.

NOTE: Limitations with version 2.02 Service Software may be experienced if the recommended hardware or software requirements of the laptop computer are not followed.

SERVICE SOFTWARE version 2.02 is available on CD-ROM and also on floppy disks, from Service Parts Management. OPERATING SOFTWARE, version 2.41, for the *Kodak* MINILOADERS 2000 and 2000P is also included on the CD and floppy disks.

Part numbers for SERVICE SOFTWARE for the *Kodak* MINILOADERS 2000 and 2000P, Version 2.02, and OPERATING SOFTWARE, version 2.41:

Operating and Service Software CD (Packed)	**1F2436**
Operating and Service Software 2 Floppy Disks (Packed)	**H9312416**

Ralph Lippa, Service Engineer- Rochester

For More Information Please Contact:

Eastman Kodak Company
Health Imaging
1-800-328-2910 (U. S. Only)
651-393-1728 (Outside the U.S.A.)

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